

**PATENT APPLICATION TRANSMITTAL LETTER**  
(Small Entity)

Docket No.  
4555-118 US

**TO THE ASSISTANT COMMISSIONER FOR PATENTS**

Transmitted herewith for filing under 35 U.S.C. 111 and 37 C.F.R. 1.53 is the patent application of:

Happer, W. et al.

For: **Method and System for Operating an Atomic Clock with Reduced Spin-Exchange Broadening of  
Atomic Clock Resonances**

Enclosed are:

- Certificate of Mailing with Express Mail Mailing Label No. EV 355339692 US
- 6 sheets of drawings.
- A certified copy of a application.
- Declaration       Signed.       Unsigned.
- Power of Attorney
- Information Disclosure Statement
- Preliminary Amendment
- Verified Statement(s) to Establish Small Entity Status Under 37 C.F.R. 1.9 and 1.27.
- Other:

**CLAIMS AS FILED**

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	40	- 20 =	20	x \$9.00	\$180.00
Indep. Claims	8	- 3 =	5	x \$42.00	\$210.00
Multiple Dependent Claims (check if applicable)	<input type="checkbox"/>				\$0.00
				BASIC FEE	\$375.00
				TOTAL FILING FEE	\$765.00

- A check in the amount of \$765.00 to cover the filing fee is enclosed.
- The Commissioner is hereby authorized to charge and credit Deposit Account No. 13-2165 as described below. A duplicate copy of this sheet is enclosed.
  - Charge the amount of as filing fee.
  - Credit any overpayment.
  - Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
  - Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated: July 15, 2003



Signature

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**"EXPRESS MAIL CERTIFICATE"**

"Express Mail" mailing label number: EV 355339692 US

Express Mail Corporate Account Number: X088384

Date of Deposit: July 15, 2003

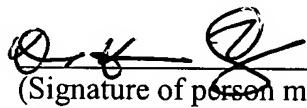
Type of Documents:

1. Acknowledgment Post Card;
2. "Express Mail" Certificate;
3. Transmittal Letter;
4. Specification (23 Pages), Claims (5 Pages), Abstract of the Disclosure (1 Page);
5. 6 Sheets of Formal Drawings;
6. Declaration and Power of Attorney (unsigned); and
7. Check for \$765.00.

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

Diane Dunn McKay

(Typed or printed name of person mailing paper or fee)



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